

### **REMARKS**

Claims 1-12 are pending. Reconsideration and allowance of the present application based on the following remarks are respectfully requested.

#### ***Claim Rejections Under 35 U.S.C. § 103***

Claims 1, 2, and 5 were rejected under 35 U.S.C. § 103(a) over Park et al. (U.S. Patent No. 6,782,274) in view of Park et al. (U.S. Patent No. 6,704,581). Applicants respectfully traverse this rejection.

Claim 1 recites, in part, a method of supporting hand-off determination for guaranteeing mobility of a dual-mode terminal in a mixed communication network in which a synchronous and an asynchronous network system coexist, the dual-mode terminal being capable of accessing both the synchronous and the asynchronous network system that includes constructing information on adjacent cells, which are selectively included based on the received terminal capability information, of the dual-mode terminal, and providing the dual-mode terminal with the constructed adjacent cell information, at the side of the mixed communication network. As admitted in the Office Action, on page 3, Park '274 fails to teach or suggest the constructing step recited above. However, the Office Action alleges that Park '581 teaches this feature.

Park '274 merely discloses a system where the radio network and mobile station coupled to the core network are asynchronous, while the core networks are mixed. Park '274 relates to a method for transmitting a RRC message from an Asynchronous mobile station to an asynchronous radio network regardless of the synchronous/asynchronous core network. However, claim 1 is directed to a hand-off method between an asynchronous radio network coupled to an asynchronous core network and a synchronous radio network coupled to a synchronous core network. Therefore, the purpose, construction and effect of claim 1 is different than the system disclosed by Park '274.

Additionally, Park '581 describes a system where a reception unit coupled to an asynchronous base station receives the time related information as to the synchronous base station, the neighboring list, and the long code state from the synchronous base station and transmits them to the asynchronous base station, and that the asynchronous base station transmits the received neighboring list to the mobile station when the handoff is performed. In the present invention however, the information on adjacent cells is selectively constructed based on the terminal capability information of the dual mode terminal and is transmitted to the

dual-mode terminal when transmitting the information on adjacent cells through the communication network. No such disclosure is present in Park '581. Furthermore, Park '581 does not take into account the handoff from a synchronous base station to an asynchronous base station. Therefore, the present invention is operable irrespective of the asynchronous radio network and the synchronous radio network and no combination of Park '274 and Park '581 teach or suggest a handoff from a synchronous base station to an asynchronous base station and vice versa.

Accordingly, the combination of Park '274 and Park '581 fails to teach or suggest a method of supporting hand-off determination for guaranteeing mobility of a dual-mode terminal in a mixed communication network in which a synchronous and an asynchronous network system coexist, the dual-mode terminal being capable of accessing both the synchronous and the asynchronous network system that includes constructing information on adjacent cells, which are selectively included based on the received terminal capability information, of the dual-mode terminal, and providing the dual-mode terminal with the constructed adjacent cell information, at the side of the mixed communication network, as recited in claim 1.

Claims 2 and 5 are believed allowable for at least the same reasons presented above with respect to claim 1 by virtue of their dependence upon claim 1. Accordingly, Applicants respectfully request reconsideration and withdrawal of this rejection.

#### **Allowable Subject Matter**

Applicants appreciate the Examiner's indication that claims 8-12 are allowable and that claims 3, 4, 6, and 7 contain allowable subject matter. However, in view of the foregoing, Applicants respectfully submit that all of the claims (claims 1-12) are allowable.

#### **Conclusion**

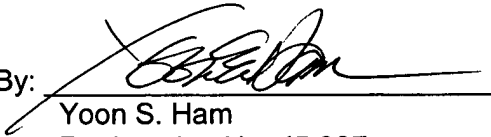
Therefore, all objections and rejections having been addressed, it is respectfully submitted that the present application is in a condition for allowance and a Notice to that effect is earnestly solicited.

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Should any issues remain unresolved, the Examiner is encouraged to contact the undersigned attorney for Applicants at the telephone number indicated below in order to expeditiously resolve any remaining issues.

Respectfully submitted,

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Date: March 1, 2006